Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	423	(436/56).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 06:46
L2	59682	hydrocarbon and (coke or foulant or deposit)	US-PGPUB; USPAT	OR	ON	2006/02/08 06:46
L3	21	1 and 2	US-PGPUB; USPAT	OR	ON	2006/02/08 06:38
L4	42	(436/56).CCLS.	USOCR	OR	OFF	2006/02/08 06:46
L5	25450	hydrocarbon and (coke or foulant or deposit)	USOCR	OR	ON	2006/02/08 07:39
L6	3	4 and 5	USOCR	OR	ON	2006/02/08 06:47
L7	525	208/48R	US-PGPUB; USPAT	OR	ON	2006/02/08 07:01
L8	14118	metalloporphyrin or acetylocetonate or naphthenate	US-PGPUB; USPAT	OR	ON	2006/02/08 07:12
L9	38	7 and 8	US-PGPUB; USPAT	OR	ON	2006/02/08 06:49
L10	432	(208/48r).CCLS.	USOCR	OR	OFF	2006/02/08 06:56
L11	7006	metalloporphyrin or acetylocetonate or naphthenate	USOCR	OR	ON	2006/02/08 07:45
L12	3	10 and 11	USOCR	OR	ON	2006/02/08 06:57
L13	776	(208/48R).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:02
L14	21	8 and 13	US-PGPUB; USPAT	OR	ON	2006/02/08 07:07
L15	202	(208/125).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:13
L16	65	2 and 15	US-PGPUB; USPAT	OR	ON	2006/02/08 07:08
L17	5	8 and 15	US-PGPUB; USPAT	OR	ON	2006/02/08 07:12
L18	129	(208/125).CCLS.	USOCR	OR	OFF	2006/02/08 07:13
L19	70	5 and 18	USOCR	OR	ON	2006/02/08 07:22
L20	253	(436/139).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:29
L22	37	2 and 20	US-PGPUB; USPAT	OR	ON	2006/02/08 07:23
L23	46	(436/139).CCLS.	USOCR	OR	OFF	2006/02/08 07:31
L24	12	5 and 23	USOCR	OR	ON	2006/02/08 07:31
L25	0	8 and 20	USOCR	OR	ON	2006/02/08 07:31
L26	0	11 and 23	USOCR	OR	ON	2006/02/08 07:32
L27	326	(208/132).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:46

L28	101	2 and 27	US-PGPUB; USPAT	OR	ON	2006/02/08 07:32
L29	197	(208/132).CCLS.	USOCR	OR	OFF	2006/02/08 07:39
L30	82	5 and 29	USOCR	OR	ON	2006/02/08 07:39
L31	0	11 and 29	USOCR	OR	ON	2006/02/08 07:43
L32	4	8 and 27	US-PGPUB; USPAT	OR	ON	2006/02/08 07:43
L33	466	(208/127).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:44
L35	235	(208/127).CCLS.	USOCR	OR	OFF	2006/02/08 07:48
L36	0	11 and 35	USOCR	OR	ON	2006/02/08 07:45
L37	214	2 and 33	US-PGPUB; USPAT	OR	ON	2006/02/08 07:45
L39	0	5 and 35	US-PGPUB; USPAT	OR	ON	2006/02/08 07:47
L40	521	(208/131).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:46
L41	250	2 and 40	US-PGPUB; USPAT	OR	ON	2006/02/08 07:46
L42	233	(208/131).CCLS.	USOCR	OR	OFF	2006/02/08 07:47
L43	139	5 and 42	USOCR	OR	ON	2006/02/08 07:47
L44	227	5 and 35	USOCR	OR	ON	2006/02/08 07:47
L45	548	(585/950).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/02/08 07:49
L46	22	8 and 45	US-PGPUB; USPAT	OR	ON	2006/02/08 07:48
L47	221	(585/950).CCLS.	USOCR	OR	OFF	2006/02/08 07:49
L48	2	11 and 47	USOCR	OR	ON	2006/02/08 07:52
L49	77	analy$4 same coke same hydrocarbon same metal	US-PGPUB; USPAT	OR	ON	2006/02/08 08:02
L50	3	analy$4 same coke same hydrocarbon same metal	EPO; JPO; DERWENT	OR	ON	2006/02/08 08:04
L52	1	("3546316").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/08 08:04
L53	9	("4507196"|"4642175"|"4756819"|"4770764"|"4863892"|"5000836"|"5296130"|"5658433"|"5863418").PN.	US-PGPUB; USPAT	OR	ON	2006/02/08 08:43
L54	9	("4507196"|"4642175"|"4756819"|"4770764"|"4863892"|"5000836"|"5296130"|"5658455"|"5863418").PN.	US-PGPUB; USPAT	OR	ON	2006/02/08 08:44
L55	1	("4169041").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/08 08:44
L56	1	("5919352").PN.	US-PGPUB; USPAT	OR	OFF	2006/02/08 08:44

WG

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=> s coke and source and tracer
         88180 COKE
        609985 SOURCE
         53159 TRACER
L1           6 COKE AND SOURCE AND TRACER

=> d 1-6

L1   ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2002:201269  CAPLUS
DN   137:23962
TI   Groundwater risk assessment for a polycyclic aromatic hydrocarbons (PAH)
     contaminated site; benchmarking and validation of numerical transport
     models
AU   Rollin, C.; Baroudi, H.; Benslimane, F.
CS   Institut National de l'Environnement et des Risques Industriels, Fr.
SO   Progress in Water Resources (2001), 3(Water Pollution VI), 47-55
     CODEN: PWREFF; ISSN: 1461-6513
PB   WIT Press
DT   Journal
LA   English
RE.CNT  8     THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1   ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2002:146016  CAPLUS
DN   136:388205
TI   Deactivation of a zirconia supported chromia aromatization catalyst
     investigated by in-situ-H-D-tracer experiments
AU   Ehwald, H.; Hoang, D. L.; Leibnitz, U.; Lieske, H.
CS   Institute for Applied Chemistry Berlin-Adlershof, Berlin, D-12489, Germany
SO   Studies in Surface Science and Catalysis (2001), 139(Catalyst Deactivation
     2001), 117-124
     CODEN: SSCTDM; ISSN: 0167-2991
PB   Elsevier Science B.V.
DT   Journal
LA   English
RE.CNT  12    THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1   ANSWER 3 OF 6  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   1997:318067  CAPLUS
DN   127:85101
TI   Thia-arenes as pollution source tracers in urban air particulate
AU   McCarry, B. E.; Allan, L. M.; Legzdins, A. E.; Lundrigan, J. A.; Marvin,
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C. H.; Bryant, D. W.
CS Dep. Chem., McMaster Univ., Hamilton, ON, L8S 4M1, Can.
SO Polycyclic Aromatic Compounds (1996), 11(1-4), 75-82
CODEN: PARCEO; ISSN: 1040-6638
PB Gordon & Breach
DT Journal
LA English

L1 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1993:128910 CAPLUS
DN 118:128910
TI Hearth protection in blast furnaces using **tracer** metal
IN Tanaka, Katsuhiro; Hasegawa, Morihiro; Orimo, Fumiaki
PA Nisshin Steel Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 04297511	A2	19921021	JP 1991-84455	19910326
PRAI JP 1991-84455		19910326		

L1 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1991:432262 CAPLUS
DN 115:32262
TI Mechanistic and **tracer**-kinetic studies on methanol conversion on HZSM-5 catalysts
AU Bauer, F.
CS Germany
SO ZfI-Mitteilungen (1990), 156, 190 pp.
CODEN: ZIMIDC; ISSN: 0323-8776
DT Journal
LA German

L1 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1984:197014 CAPLUS
DN 100:197014
TI Benzo[a]pyrene as a **tracer** for **coke** oven emissions
AU Regan, Gerald F.
CS EPA, Chicago, IL, USA
SO Spec. Conf.: Meas. Monit. Non-Criter. (Toxic) Contam. Air (1983), 404-15.
Editor(s): Frederick, Edward R. Publisher: APCA, Pittsburgh, Pa.
CODEN: 51GUAQ
DT Conference
LA English

=> d ab 4

L1 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AB When the bottom temperature of a blast furnace begins to increase, an indicator metal or oxide having low concentration in the melt is injected into the hearth, and the **tracer** metal content in the tapped melt is determined to estimate the time period from the injection to detection. Based on the time interval, the absence of **coke** lining layer in the hearth is detected, and a Ti **source** is injected into the hearth through a tuyere to decrease the temperature The indicator metal is selected from Co, Ni, and Cu.

=> s coke and source and (naphthenate or metalloporphyrin or acetylocetonate)
88180 COKE
609985 SOURCE
12086 NAPHTHENATE
3800 METALLOPORPHYRIN
0 ACETYLOCETONATE
L2 2 COKE AND SOURCE AND (NAPHTHENATE OR METALLOPORPHYRIN OR ACETYLOC

ETONATE)

=> s coke and source and (naphthenate or metalloporphyrin or acetylacetonate)
88180 COKE
609985 SOURCE
12086 NAPHTHENATE
3800 METALLOPORPHYRIN
16662 ACETYLACETONATE
L3 6 COKE AND SOURCE AND (NAPHTHENATE OR METALLOPORPHYRIN OR ACETYLAC
ETONATE)

=> d 1-6

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:515610 CAPLUS
DN 141:74039
TI Method for determining the **source** of fouling in thermal conversion process units
IN Brown, Leo Dale; Maa, Peter Sheng-shyong; Olmstead, William Neergaard; Siskin, Michael
PA Exxonmobil Research and Engineering Company, USA
SO PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004053024	A1	20040624	WO 2003-US35572	20031107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2005040076	A1	20050224	US 2003-680920	20031008
CA 2507147	AA	20040624	CA 2003-2507147	20031107
EP 1567615	A1	20050831	EP 2003-781820	20031107
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI US 2002-431061P	P	20021204		
US 2003-680920	A	20031008		
WO 2003-US35572	W	20031107		

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:911867 CAPLUS
DN 139:71351
TI Reactivity of calcium contaminated anode cokes
AU Engvoll, Marianne Aa.; Oye, Harald A.; Sorlie, Morten
CS Institute of Chemistry, Norwegian University of Science and Technology, Trondheim, N-7491, Norway
SO Carbon'01, An International Conference on Carbon, Lexington, KY, United States, July 14-19, 2001 (2001), 402-410 Publisher: University of Kentucky Center for Applied Energy Research Library, Lexington, Ky.
CODEN: 69DHNI; ISBN: 0-9674971-2-4
DT Conference; (computer optical disk)
LA English
RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1998:127060 CAPLUS
DN 128:130091
TI Use of a Dispersed Molybdenum Catalyst and Mechanistic Studies for Upgrading Extra-Heavy Crude Oil Using Methane as **Source** of

Hydrogen
AU Ovalles, Cesar; Filgueiras, Eduardo; Morales, Alfredo; Rojas, Iraima; Carlos de Jesus, Juan; Berrios, Irenio
CS INTEVEP S. A., Caracas, 1070A, Venez.
SO Energy & Fuels (1998), 12(2), 379-385
CODEN: ENFUEM; ISSN: 0887-0624
PB American Chemical Society
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1996:623670 CAPLUS
DN 125:280371
TI Hydroconversion of heavy crude oils using soluble metallic compounds in the presence of hydrogen or methane
AU Morales, Alfredo; Salazar, Armando; Ovalles, Cesar; Filgueiras, Eduardo
CS Refining and Petrochemical Div., INTEVEP S.A., Caracas, 1070A, Venez.
SO Studies in Surface Science and Catalysis (1996), 101(Pt. B, 11th International Congress on Catalysis--40th Anniversary, 1996, Pt. B), 1215-1222
CODEN: SSCTDM; ISSN: 0167-2991
PB Elsevier
DT Journal
LA English

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:594536 CAPLUS
DN 113:194536
TI Effect of addition of sulfur and phosphorus on heavy oil hydrotreatment with dispersed molybdenum-based catalysts
AU Kushiyama, S.; Aizawa, R.; Kobayashi, S.; Koinuma, Y.; Uemasu, I.; Ohuchi, H.
CS Natl. Res. Inst. Pollut. Resour., Tsukuba, 305, Japan
SO Applied Catalysis (1990), 63(2), 279-92
CODEN: APCADI; ISSN: 0166-9834
DT Journal
LA English

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:122011 CAPLUS
DN 112:122011
TI Catalytic system for the hydroconversion of heavy oils
IN Ramirez de Aqudelo, Magdalena M.; Galarraga, Carmen E.
PA Intevep S. A., Venez.
SO U.S., 9 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4888104	A	19891219	US 1988-240638	19880906
	CA 1332166	A1	19940927	CA 1989-607110	19890731
	NO 8903109	A	19900307	NO 1989-3109	19890801
	NO 173881	B	19931108		
	NO 173881	C	19940216		
	ES 2016053	A6	19901001	ES 1989-2861	19890814
	NL 8902088	A	19900402	NL 1989-2088	19890817
	GB 2222532	A1	19900314	GB 1989-19018	19890821
	GB 2222532	B2	19920923		
	FR 2636069	A1	19900309	FR 1989-11590	19890905
	DE 3929437	A1	19900503	DE 1989-3929437	19890905
	DE 3929437	C2	19971204		
	JP 02111446	A2	19900424	JP 1989-231327	19890906
	JP 06034928	B4	19940511		
	US 4937218	A	19900626	US 1989-421982	19891016
PRAI	US 1988-240638	A	19880906		